

REMARKS

This is a full and timely response to the outstanding non-final Office Action mailed January 25, 2005. Claims 1-7 and 9 are preliminarily rejected under 35 USC 102(b) as being anticipated by Blanco Queiro, *et al.* The Applicant traverses the rejections to claims 1-7 and 9. Reconsideration and allowance of the subject application and presently pending claims 1-12 is respectfully requested.

I. Response to Claim Rejections based on Anticipation

In the office action, claims 1-7 and 9 are preliminarily rejected under 35 USC 102(b) as being anticipated by German Patent No. DE4140866 to Blanco Queiro, *et al.* (hereinafter "Blanco Queiro"). For a proper rejection of a claim under 35 USC§102(b), the cited reference must disclose all elements/features/steps of the claim. See, e.g., *E.I. du Pont de Nemours & Co. v. Phillips Petroleum Co.*, 849 F.2d 1430, 7 USPQ2d 1129 (Fed. Cir. 1988).

A. Claim 1

Claim 1 is presently written as:

1. An antenna feed assembly comprising:
a dipole;
a reflector; and
at least one bandpass filter element between said dipole and said reflector.
(Emphasis added)

In the Office Action, claim 1 is preliminarily rejected under 35 USC§102(b) as being anticipated by Blanco Queiro. As disclosed, as best the Applicant can decipher without translating the German specification, Blanco Queiro is a type of Yagi-Antenna. This belief is based on the Applicant's knowledge of Yagi-

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Antennas and furthered by the frequent use of the term "Yagi-Antenne" throughout the Blanco Queiro reference, beginning at column 1, line 2, as well as in the title. A Yagi-Antenna, as explained in the attached definition of Yagi-Antennas from <http://searchmobilecomputing.techtarget.com>, uses directors of slightly less than one half wavelength to focus electromagnetic field energy being transmitted in or received from a specific direction.

Blanco Queiro fails to teach or disclose all elements of claim 1. Blanco Queiro fails to teach or disclose a bandpass filter element between a reflector and a dipole. The office action, at page 2, states element 111 of Blanco Queiro is a reflector and elements 112 and 113 of Blanco Queiro are bandpass filter elements. The Applicant asserts that elements 111, 112, and 113 are directors, not bandpass filter elements. The Applicant relies on his knowledge of antenna technology as well as the statement from column 3, line 14 of Blanco Queiro, "111, 112, und 113 die Direktorelemente" to assert these elements are director elements. Director elements differ from bandpass filter elements at least in that director elements are used to focus a direction of an electromagnetic field, while bandpass filter elements are used to limit a frequency range of the radiated electromagnetic field.

As Blanco Queiro does not teach or disclose a bandpass filter element between a reflector and a dipole, the Applicant respectfully requests the withdrawal of the preliminary anticipation rejection.

B. Claims 2-7

The Applicant respectfully submits that since claims 2-7 depend on independent claim 1, claims 2-7 contain all limitations of independent claim 1.

Since independent claim 1 should be allowed, as argued above, pending dependent claims 1-7 should be allowed as a matter of law for at least this reason. In re Fine, 5 U.S.P.Q.2d 1596, 1608 (Fed. Cir. 1988).

C. Claim 9

Claim 9 is presently written as:

9. A planar antenna feed assembly comprising:
a substantially planar substrate;
a dipole and a reflector provided on said substrate;
a first bandpass filter element provided on said substrate between said dipole and said reflector; and
a second bandpass filter element provided on said substrate between said dipole and said reflector,
(Emphasis added)

In the Office Action, claim 9 is preliminarily rejected under 35 USC§102(b) as being anticipated by Blanco Queiro. As disclosed, as best the Applicant can decipher without translating the German specification, Blanco Queiro is a type of Yagi-Antenna. This belief is based on the Applicant's knowledge of Yagi-Antennas and furthered by the frequent use of the term "Yagi-Antenne" throughout the Blanco Queiro reference, beginning at column 1, line 2, as well as in the title. A Yagi-Antenna, as explained in the attached definition of Yagi-Antennas from <http://searchmobilecomputing.techtarget.com>, uses directors of slightly less than one half wavelength to focus electromagnetic field energy being transmitted in or received from a specific direction.

Blanco Queiro fails to teach or disclose all elements of claim 1. Blanco Queiro fails to teach or disclose a first and second bandpass filter element. The office action, at page 3, states element 111 of Blanco Queiro is a reflector and elements 112 and 113 of Blanco Queiro are first and second bandpass filter

elements. The Applicant asserts that elements 111, 112, and 113 are directors, not bandpass filter elements. The Applicant relies on his knowledge of antenna technology as well as the statement from column 3, line 14 of Blanco Queiro, "111, 112, und 113 die Direktorelemente" to assert these elements are director elements. Director elements differ from bandpass filter elements at least in that director elements are used to focus a direction of an electromagnetic field, while bandpass filter elements are used to focus a frequency of the electromagnetic field.

As Blanco Queiro does not teach or disclose a bandpass filter element between a reflector and a dipole, the Applicant respectfully requests the withdrawal of the preliminary anticipation rejection.

II. Allowable Subject Matter

The office action objected to claims 8 and 10-12 as being dependent on a rejected base claim, but otherwise containing allowable subject matter. The Applicant submits the base claims are in condition for allowance and, therefore, respectfully requests the withdrawal of this objection.


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CONCLUSION

In light of the foregoing amendments and for at least the reasons set forth above, the Applicant respectfully submits that all objections and rejections have been traversed, rendered moot and/or accommodated, and that presently pending claims 1-12 are in condition for allowance. Favorable reconsideration and allowance of the present application and the presently pending claims are hereby courteously requested. If in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (603) 668-1400.

Respectfully submitted,



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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on, July 22, 2005 at Manchester, New Hampshire.

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